

WHAT IS CLAIMED IS:

1. A motor vehicle light unit comprising: a reflector defining two focal regions; a light source located in one said focal region in such a way as to produce a pool of reflected light in the other said focal region; and a lens in front of said other focal region for converting the said pool of light into a beam and for projecting the said beam forward from the light unit, wherein the light unit further includes a filter between the reflector and the lens, the filter being opaque to visible light and transparent to infrared light, and filter-carrying means mounting the said filter for moving the filter between a first position out of the path of the light passing from the reflector to the lens, and a second position in which a substantial part of the said light passes through the filter.
2. A light unit according to Claim 1, further including a member carrying the said filter and adapted for deformation under the effect of thermal deformations of the filter.
3. A light unit according to Claim 1, wherein the said focal regions are an internal focal region and an external focal region, the light source being located in the internal focal region for producing a said pool of light in the external focal region, the filter being located downstream of the external focal region.
4. A light unit according to Claim 1, wherein the reflector defines a lamp hole, the light source being a lamp placed in said lamp hole whereby to produce a shadow zone corresponding to the optical image of the lamp hole, the filter-carrying means being arranged to displace the filter to a position substantially in the said shadow zone.

5 5. A light unit according to Claim 1, wherein the reflector is disposed in relation to the lens in such a way as to propagate light towards the lens in a stream of light defining an edge, the filter-carrying means being arranged to displace the filter to a position in which a surface of the filter extends along a said edge of the stream of light.

6. A light unit according to Claim 4, wherein the said filter-carrying means consist of means for rotating the filter.

10 7. A light unit according to Claim 6, wherein the filter rotating means include a pivot defining an axis downstream of the said second position of the filter with respect to the direction of propagation of the light.

15 8. A light unit according to Claim 1, defining said second filter position, and an extent of the filter itself, so that they are such that, when the filter is in the said second position, some of the light radiation from the reflector to the lens bypasses the filter.

9. A light unit according to Claim 8, wherein the lens defines zones for disorganizing a light stream, the said zones being located in the path of rays passing from the reflector to the lens and bypassing the filter.

20 10. A light unit according to Claim 9, wherein the said disorganizing zones are defined in annular regions of the lens.